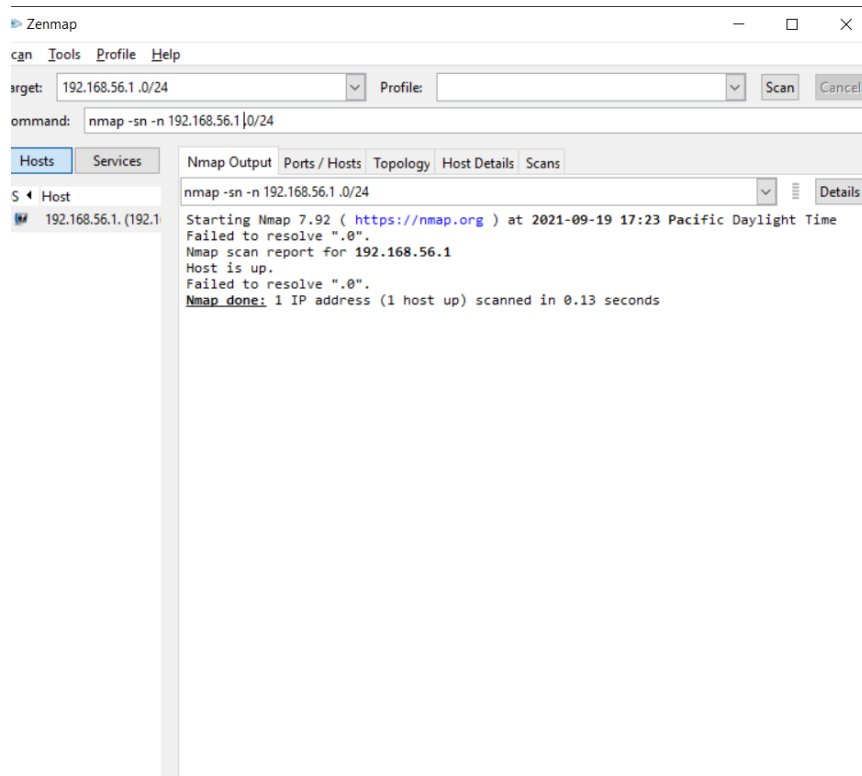


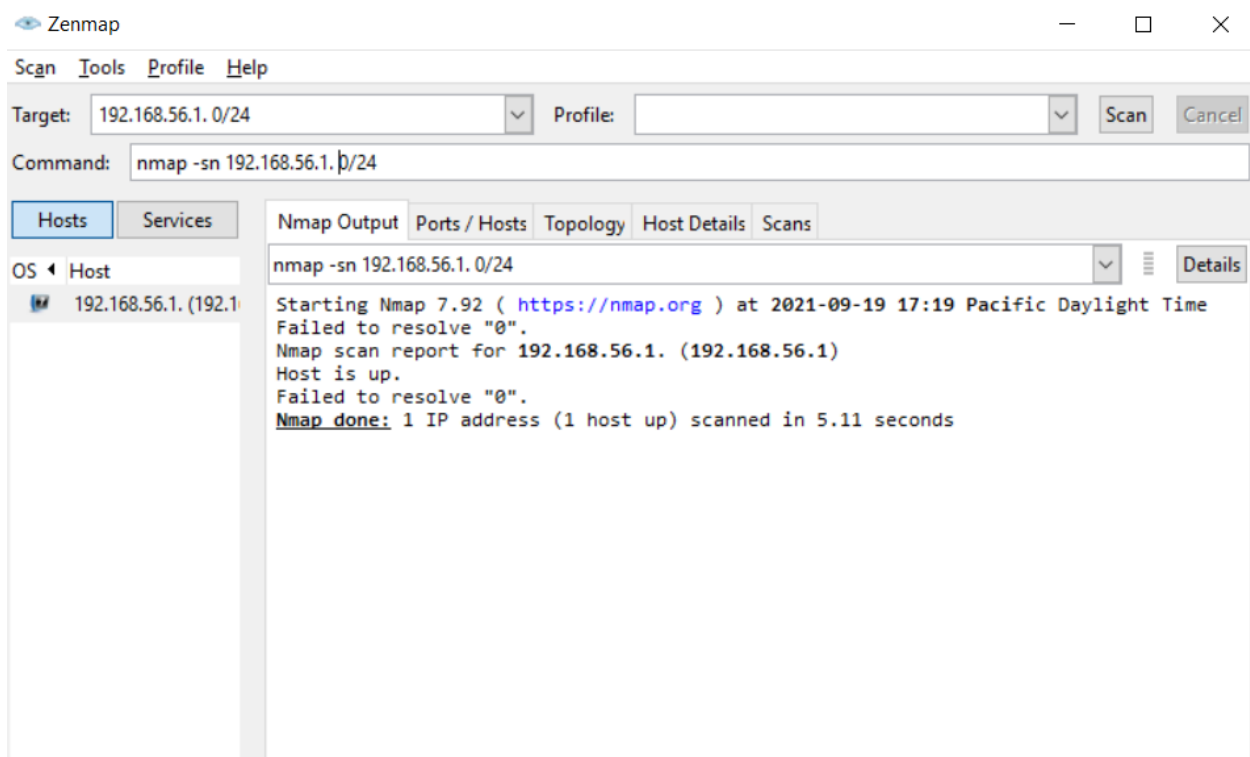
(#1) Record the results.



(#2) How many hosts would this scan look for? Justify your answer.

-it will look for all the hosts that are up.

(#3) Why is the `-n` option used? What happens if you rerun a command without the `-n` option? The `-n` option will disable reverse DNS resolution allowing scans to be faster. Nothing changes if we don't put `-n` in our commands. We aren't using a large network.



(#4)What does the `/24` represent?

`/24` is the prefix length used to indicate the number of network bits of an IP address.

Zenmap

Scan Tools Profile Help

Target:  Profile:

Command:

Hosts Services Nmap Output Ports / Hosts Topology Host Details Scans

OS Host

192.168.56.1. (192.168.56.1)

```
sudo -Pn nmap 192.168.56.1 .0/24

Starting Nmap 7.92 ( https://nmap.org ) at 2021-09-19 17:54 Pacific
Failed to resolve "nmap".
Failed to resolve ".0".
Failed to resolve ".0".
Nmap scan report for 192.168.56.1
Host is up (0.00082s latency).
Not shown: 997 closed tcp ports (reset)
PORT      STATE SERVICE
135/tcp   open  msrpc
139/tcp   open  netbios-ssn
445/tcp   open  microsoft-ds

Failed to resolve ".0".
Nmap done: 1 IP address (1 host up) scanned in 2.60 seconds
```

(#5) How many TCP ports are open on each?

3 Ports were open

(#6) Are there any UDP ports open on any machine?

None open